

Title (en)
Sewage collection well

Title (de)
Abwassersammelschacht

Title (fr)
Regard de collecte d'eaux usées

Publication
EP 1559841 A3 20070124 (DE)

Application
EP 04028908 A 20041207

Priority
DE 102004004401 A 20040129

Abstract (en)
[origin: EP1559841A2] A sub-surface waste water collector and treatment shaft (2) is closed by a cover and has an atmosphere (8) that is potentially explosive. The shaft has a part-submerged water pump (12) that is operated depending upon the water depth (0). The pump is operated by a pump control unit (30) in conjunction with a time switch and pressure sensor.

IPC 8 full level
E03F 5/22 (2006.01)

CPC (source: EP)
E03F 5/22 (2013.01)

Citation (search report)
• [A] DE 3110735 A1 19820923 - COMBE HUBERT
• [A] DE 3918294 A1 19891214 - SARLIN AB OY E [FI]
• [A] DE 19609427 A1 19970918 - SCHMELZER HERMANN [DE]
• [A] DE 3311980 A1 19841004 - COMBE HUBERT

Cited by
US9719241B2; CN102220783A; EP2489798A1; CN102644319A; EP2746477A1; CN103882938A; EP1961963A3; DE102007008692A1; EP1961963A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR LV MK YU

DOCDB simple family (publication)
EP 1559841 A2 20050803; EP 1559841 A3 20070124; EP 1559841 B1 20080123; AT E384834 T1 20080215; DE 102004004401 A1 20050825; DE 102004004401 B4 20060202; DE 102004004401 B8 20081106; DE 502004006037 D1 20080313; PL 1559841 T3 20080630

DOCDB simple family (application)
EP 04028908 A 20041207; AT 04028908 T 20041207; DE 102004004401 A 20040129; DE 502004006037 T 20041207; PL 04028908 T 20041207